

SEQUENCE LISTING

RECEIVED

JAN 12 2001

TECH CENTER 1000/2000

<110> Williams, David A.

<120> METHODS FOR ENHANCED RETROVIRAL-MEDIATED GENE TRANSFER

<130> 7037-377

<140> 09/394,867

<141> 1999-09-13

<150> 08/536,891

<151> 1995-09-29

<150> PCT/US95/03817

<151> 1995-03-27

<150> 08/218,355

<151> 1994-03-25

<160> 2

<170> PatentIn Ver. 2.1

<210> 1

<211> 271

<212> PRT

<213> Homo sapiens

<400> 1

Ala Ile Pro Ala Pro Thr Asp Leu Lys Phe Thr Gln Val Thr Pro Thr  
1 5 10 15

Ser Leu Ser Ala Gln Trp Thr Pro Pro Asn Val Gln Leu Thr Gly Tyr  
20 25 30

Arg Val Arg Val Thr Pro Lys Glu Lys Thr Gly Pro Met Lys Glu Ile  
35 40 45

Asn Leu Ala Pro Asp Ser Ser Ser Val Val Val Ser Gly Leu Met Val  
50 55 60

Ala Thr Lys Tyr Glu Val Ser Val Tyr Ala Leu Lys Asp Thr Leu Thr  
65 70 75 80

Ser Arg Pro Ala Gln Gly Val Val Thr Thr Leu Glu Asn Val Ser Pro  
85 90 95



Pro Arg Arg Ala Arg Val Thr Asp Ala Thr Glu Thr Thr Ile Thr Ile  
100 105 110

Ser Trp Arg Thr Lys Thr Glu Thr Ile Thr Gly Phe Gln Val Asp Ala  
115 120 125

Val Pro Ala Asn Gly Gln Thr Pro Ile Gln Arg Thr Ile Lys Pro Asp  
130 135 140

Val Arg Ser Tyr Thr Ile Thr Gly Leu Gln Pro Gly Thr Asp Tyr Lys  
145 150 155 160

Ile Tyr Leu Tyr Thr Leu Asn Asp Asn Ala Arg Ser Ser Pro Val Val  
165 170 175

Ile Asp Ala Ser Thr Ala Ile Asp Ala Pro Ser Asn Leu Arg Phe Leu  
180 185 190

Ala Thr Thr Pro Asn Ser Leu Leu Val Ser Trp Gln Pro Pro Arg Ala  
195 200 205

Arg Ile Thr Gly Tyr Ile Ile Lys Tyr Glu Lys Pro Gly Ser Pro Pro  
210 215 220

Arg Glu Val Val Pro Arg Pro Arg Pro Gly Val Thr Glu Ala Thr Ile  
225 230 235 240

Thr Gly Leu Glu Pro Gly Thr Glu Tyr Thr Ile Tyr Val Ile Ala Leu  
245 250 255

Lys Asn Asn Gln Lys Ser Glu Pro Leu Ile Gly Arg Lys Lys Thr  
260 265 270

<210> 2

<211> 25

<212> PRT

<213> Homo sapiens

<400> 2

Asp Glu Leu Pro Gln Leu Val Thr Leu Pro His Pro Asn Leu His Gly  
1 5 10 15

Pro Glu Ile Leu Asp Val Pro Ser Thr  
20 25